

# WeeklyReport\_2018-09-03\_09-09\_E

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## Week Overview

$9 + 9 + 9 + 9 + 9 + 5 + 2 = 52$  hours

## Project: GraphLayout

- I modify code and delete the useless part of the code on Monday and Thursday.
- vis part and short\_distance part need further modify
- next week I will research on this code

## Project: RSATree

- write out the two-step insert version
- there is a big problem when porting code to windows system.
- preparing convert data structure to json which can be used by front-end
- there is a need to solve the problem in windows and integrate the code into the project

## Paper Reading

- TPFlow: Progressive Partition and Multidimensional Pattern Extraction for Large-Scale Spatio-Temporal Data Analysis (VAST 2019 best paper)

*a novel idea to explore spatio-temporal (ST) dataset using multilevel split of tree structure along with a visualaztion system.*

- Clustrophile 2: Guided Visual Clustering Analysis (VAST 2019)

*a complete and complex visualization to solve Cluster Analysis problem.*

## Other

- write 4 ACM problem in atcoder

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## Short-term perspective

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Work	deadline	Tip
modify the code of vis part	Fri	GraphLayout
solve the windows problem and complete json part code	Sun	RSATree
read one parper	Sun	

### Middle-term perspective

Work	deadline	now
GraphLayout	11.01	modify code
RSATree Project	10.01	intergate code
learn d3	9.15	in <a href="http://www.ourd3js.com/">http://www.ourd3js.com/</a>
learn pytorch and Deep Learning	11.01	Watch LIHONGYI lesson